PROJECTION LENS SHIFTING MECHANISM

ABSTRACT

The present invention relates to a projection lens shifting mechanism having: a driving apparatus, a first supporting apparatus, a transmitting apparatus, a movable plate and a second supporting apparatus. The transmitting apparatus is driven by the driving apparatus for changing a direction of the torque transmitted by the driving apparatus. The movable plate, on which a projection lens is mounted, is in contact with the transmitting apparatus to be driven by the transmitting apparatus to translate in a perpendicular direction with respect to the central axis of the driving apparatus, whereby providing a user-friendly interface, that is, when it is operated manually, a direction that the user applies force against the driving apparatus is consistent with that the movable plate translates. Furthermore, after two above mechanisms are combined, the projection lens can be positioned in any position of a two-dimensional plane.